

## ARTICLE 20

### Library LED Lighting Information

#### *Existing Library Lighting Conditions*

The majority of the lighting system was renovated in 1997 when the new addition was completed. The lighting is extremely out of date, consists of several inefficient technologies, including incandescent, compact fluorescent, linear fluorescent, and metal halide. Fixture styles vary and include, but are not limited to, recessed parabolic, wall sconce, recessed can.



*Images of Current Lighting*

#### Pay Back:

Summary of Savings and Economic Results for LED Lighting				
Electricity Savings		Fuel Savings		Total Cost Savings
kWh	\$	Therms	\$	\$
23,220	\$ 4,179.60	0	\$ -	\$ 4,179.60
Cost	Estimated Incentive	Net Customer Cost	Simple Payback, Years	
			Before Incentive	After Incentive
\$ 34,960.00	\$ 9,660.00	\$ 25,300.00	8.4	6.1

#### **Cost and Incentives:**

Project	Town Contributions	Incentives	GCG Request	Total Cost	Projected Completed Date
Library LED Lighting	\$8,000.00	\$9,660.00	\$17,300.00	\$34,960.00	Winter 2021

## **Police Station LED Lighting Information**

### *Existing Police Station Lighting Conditions*

The current lighting systems at the Police Station are original with construction of the building in 1998. The lighting is extremely out of date, consists of several inefficient technologies including incandescent, compact fluorescent, linear fluorescent, and metal halide. Fixture styles vary and include, but are not limited to, recessed parabolic, wall sconce, recessed can.



*Example of Current Fixture Styles*

### **Pay Back:**

Summary of Savings and Economic Results for LED Lighting				
Electricity Savings		Fuel Savings		Total Cost Savings
kWh	\$	Therms	\$	\$
42,514	\$ 7,652.52	0	\$ -	\$ 7,652.52
Cost	Estimated Incentive	Net Customer Cost	Simple Payback, Years	
			Before Incentive	After Incentive
\$ 47,907.00	\$ 12,590.00	\$ 35,317.00	6.3	4.6

### **Cost and Incentives:**

Project	Town Contributions	Utility Incentives	GCG Request	Total Cost	Projected Completed Date
Police Station LED Lighting	\$9,000.00	\$12,590.00	\$26,317.00	\$47,907.00	Fall 2021

## **Fire Station LED Lighting Information**

### *Existing Police Station Lighting Conditions*

The current lighting systems at the Police Station is original with construction of the building in 1998. The lighting is extremely out of date, consists of several inefficient technologies including incandescent, compact fluorescent, linear fluorescent, and metal halide. Fixture styles vary and include, but are not limited to, recessed parabolic, wall sconce, recessed can.



*Example of Current Fixture Styles*

### **Pay Back:**

Summary of Savings and Economic Results for LED Lighting				
Electricity Savings		Fuel Savings		Total Cost Savings
kWh	\$	Therms	\$	\$
35,938	\$ 6,468.84	0	\$ -	\$ 6,468.84
Cost	Estimated Incentive	Net Customer Cost	Simple Payback, Years	
			Before Incentive	After Incentive
\$ 53,502.00	\$ 14,120.00	\$ 39,382.00	8.3	6.1

### **Cost and Incentives:**

Project	Town Contributions	Utility Incentives	GCG Request	Total Cost	Projected Completed Date
Fire Station LED Lighting	\$9,000.00	\$14,120.00	\$30,382.00	\$53,502.00	August 1 <sup>st</sup>